

$^{196}\text{Ir}$        $Z = 77$        $N = 119$       adopted link      ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1551.173 ( 0.038) MeV

Qbeta- = 3.209 ( 0.038) MeV

|          | Energy T       | J+ | J- | J-other        | T1/2       |
|----------|----------------|----|----|----------------|------------|
| 196IR 1  |                |    |    | 0.000 (0-)     | 1 52 S 1   |
| 196IR 2  |                |    |    | 0.126 (1-)     | 2          |
| 196IR 3  |                |    |    | 0.207 (1-)     | 3          |
| S-alpha= | 0.272 ( 0.081) |    |    |                |            |
| 196IR 4  |                |    |    | 0.408 (0,1)+   | 4          |
| 196IR 5  |                |    |    | 0.410 (10,11-) | 5 1.40 H 2 |
| 196IR 6  |                |    |    | 0.522 (0,1)+   | 6          |

S-p = 7.213 ( 0.068)-----

S-n = 5.815 ( 0.038)-----

S-2p = 16.827 ( 0.198)-----

S-2n = 13.047 ( 0.038)-----

S-alpha= 0.272 ( 0.081)-----

S+p = -8.273 ( 0.038)

S+n = -6.900 ( 0.043)

S+2p = -14.723 ( 0.038)

S+2n = -12.433 ( 0.202)

S+alpha = -0.229 ( 0.047)

gap p = -1.060 ( 0.078)

gap n = -1.085 ( 0.058)

gap 2p = 2.104 ( 0.201)

gap 2n = 0.614 ( 0.205)

gap alpha = 0.042 ( 0.093)